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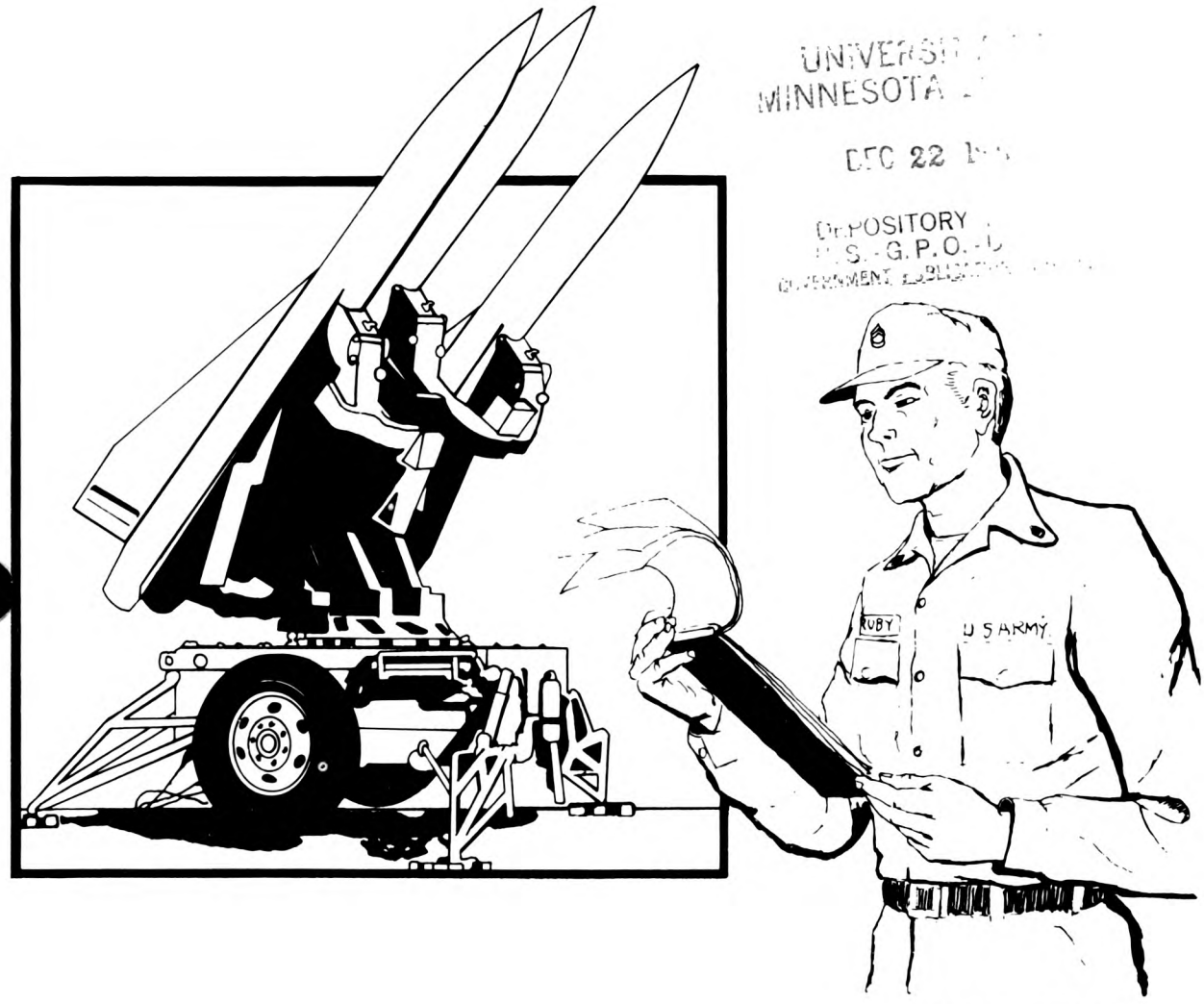

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MOS 24V

TRAINER'S GUIDE

HEADQUARTERS, DEPARTMENT OF THE ARMY

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 30 November 1981

TRAINER'S GUIDE

MOS 24V
IMPROVED HAWK MAINTENANCE CHIEF

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*This publication supersedes FM 9-24V/CM, 2 October 1978.

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Commandant
US Army Missile and Munitions Center and School
ATTN: ATSK-TDA
Redstone Arsenal, AL 35897

The words "he," "him," "his," and "men," when used in this publication, represent both the masculine and feminine genders unless specifically stated.

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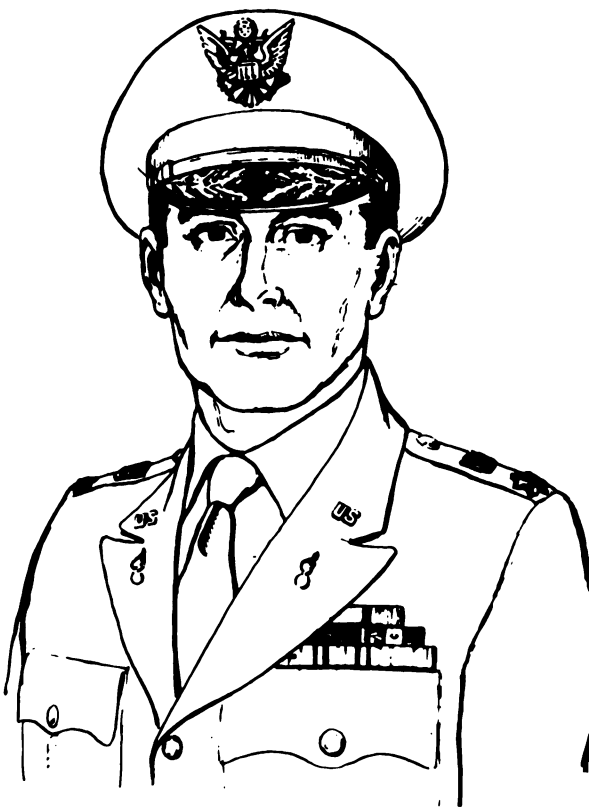

ATTENTION COMMANDER!

DISTRIBUTE THIS GUIDE TO ALL OFFICERS AND SENIOR NCOs WHO HAVE ENLISTED PERSONNEL OF MOS 24V4/5 UNDER THEIR COMMAND OR SUPERVISION

The Trainer's Guide is designed to provide the commander, training manag and the trainer some of the information required to plan, conduct and evalu training for a particular MOSs. The Trainer's Guide lists all tasks found in Soldier's Manual for the MOSs. It references primary training materials requi for each task and indicates the locations for "Qualification" and "Addition training. It also contains appendixes.

This Trainer's Guide was prepared by the US Army Missile and Muniti Center and School.

Harry L. Foradori
Colonel, Ordnance Corps
Commandant

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RESERVE COMPONENT COMMANDER'S ATTENTION

RESERVE COMPONENTS

The information on this page is for you, the Reserve Component Trainer. Although this manual lists the critical tasks to be performed by the Active Army soldier in this MOS on equipment available in the Active Component inventory, most tasks in this manual are applicable to Reserve Component soldiers without changes. However, some tasks may require modification because of differences of equipment, facilities, and training time available. Because of these differences, the Reserve Component Trainer will need to be innovative and seek ways to enable the soldiers to accomplish these critical tasks.

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Chapter 1

INTRODUCTION

PURPOSE

Your Trainer's Guide gives you, the unit commander, the training manager, and the trainer, some of the information you need to help plan, conduct and evaluate unit training. Unit training is the most important job of military leaders.

The training manager and the trainer must do their jobs right. When soldiers are trained, they do their jobs right and in turn complete the unit's mission. Your Trainer's Guide can help you tailor training to the specific needs of the soldiers and to evaluate that training. It lists the tasks the MOS 24V skill levels 4 and 5 soldiers must know, where the tasks are taught, and the basic information needed to set up individual training. Use this Trainer's Guide along with the Soldier's Manual, FM 9-24V4/5, Improved HAWK Maintenance Chief, and FM 21-3, Soldier's Manual of Common Tasks, Skill Levels 2, 3, and 4.

COMMANDER'S RESPONSIBILITY

The commander is responsible for the unit mission. Soldiers can't do their job if they haven't learned how. For the unit to succeed you must insure each soldier is satisfactorily trained. This Trainer's Guide and the Trainer's Guide for FM 21-3 gives you, your training manager, and your trainers some of the information needed to plan, conduct, and evaluate training for MOS 24V.

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TRAINING MANAGER'S RESPONSIBILITY

You are responsible for planning, evaluating, monitoring, and providing the resources for training. The Improved HAWK Maintenance Chief must learn and become proficient in several tasks. The task in FM 9-24V4/5 Soldier's Manual, are listed in chapters 2 and 3 and cover some of the following areas—

- Leadership
- Military Justice
- Security
- Operations
- Administration
- Supply
- Training
- Maintenance

Each Soldier's Manual tells you and the soldier:

- What TASKS the soldier is expected to perform.
- Under what CONDITION the task is done.
- The STANDARD the soldier must reach to do the tasks.
- The PERFORMANCE MEASURES needed to complete the task.
- What REFERENCES are needed to help do the task.

You must make a training plan trainers can use; provide for the resources (building, room, area, equipment, supplies, funds, training aids and devices, and so forth); monitor the training to make sure it meets the needs of the soldiers; and evaluate the training when it is completed.

TRAINER'S RESPONSIBILITY

You must prepare, conduct, and critique training. Use your training plan to find out what must be taught, where, when, and to whom. When planning training, don't rely solely on your own knowledge of the subject. Review reference materials to insure you use the latest information. Use TC 21-5-7, Training Management in Battalions, and FM 21-6, How to Prepare and Conduct Military Training, for basic guidance.

INDIVIDUAL TRAINING PROGRAM

For each soldier to be trained, you need an individual training program to plan, train, and evaluate training. Use the task list for MOS 24V in chapters 2 and 3 of the Trainer's Guide to make your individual training plans. Each task is listed (task number, task title, primary references for the task, the skill level of training, and where the training for the task is done). A letter in a column shows where the training is done, formal training in a school, or unit training. The letter "Q" shows where QUALIFICATION training is done, the letter "A"

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shows where ADDITIONAL training is done. The task list shows those tasks taught in Advanced Individual Training and the tasks taught in the unit through supervised on-the-job training, scheduled training, and self study.

At appendix A of the Trainer's Guide is a consolidated list of references for tasks; appendix B is the job description for MOS 24V.

TRAIN AND RETRAIN

Skills not practiced are soon lost. Athletics is a good example of why training and retraining is needed. Athletes must practice to retain their skills. The soldier is no different. For athletes, the coach sees to it that all team members are trained in their tasks. You, like the coach, must see to it that your team is trained to do its job. As a trainer you must verify, after a proper amount of time, that soldiers can do their job. Feedback from supervisors using Job Books will help. Design your training program to correct areas that have been determined through performance evaluation as needing improvement. You can get more feedback from the SQT unit profile summary sheet. It shows the number and percentage of soldiers failing each task. Continued evaluation will give you information for the Individual Training Program.

ENLISTED PERSONNEL MANAGEMENT SYSTEM (EPMS)

For the first time, enlisted personnel have a complete career development program: The Enlisted Personnel Management System. It affects the training, evaluation, classification, and promotion of every enlisted soldier in the Army. The system is designed to provide career incentives, progression, and professionalism, while providing qualified people to carry out the Army's mission.

PAY GRADE	SKILL LEVEL	SQT TAKEN
E8 - E9	5	NONE
E7	4	SQT 4
E6	3	SQT 3
E5	2	SQT 2
E1 - E4	1	SQT 1

CAREER PROGRESSION

There are five skill levels in the Air Defense Missile Maintenance Field, and there is a Soldier's Manual for each skill level in each MOS. MOS 24H, MOS 24J, MOS 24K, and MOS 24L merge into MOS 24V4. The soldier can continue in the 24V track to skill level 5.

See the following MOS Progression chart.

The Improved HAWK Maintenance Chief must have a CONFIDENTIAL or SECRET clearance depending on assignment.

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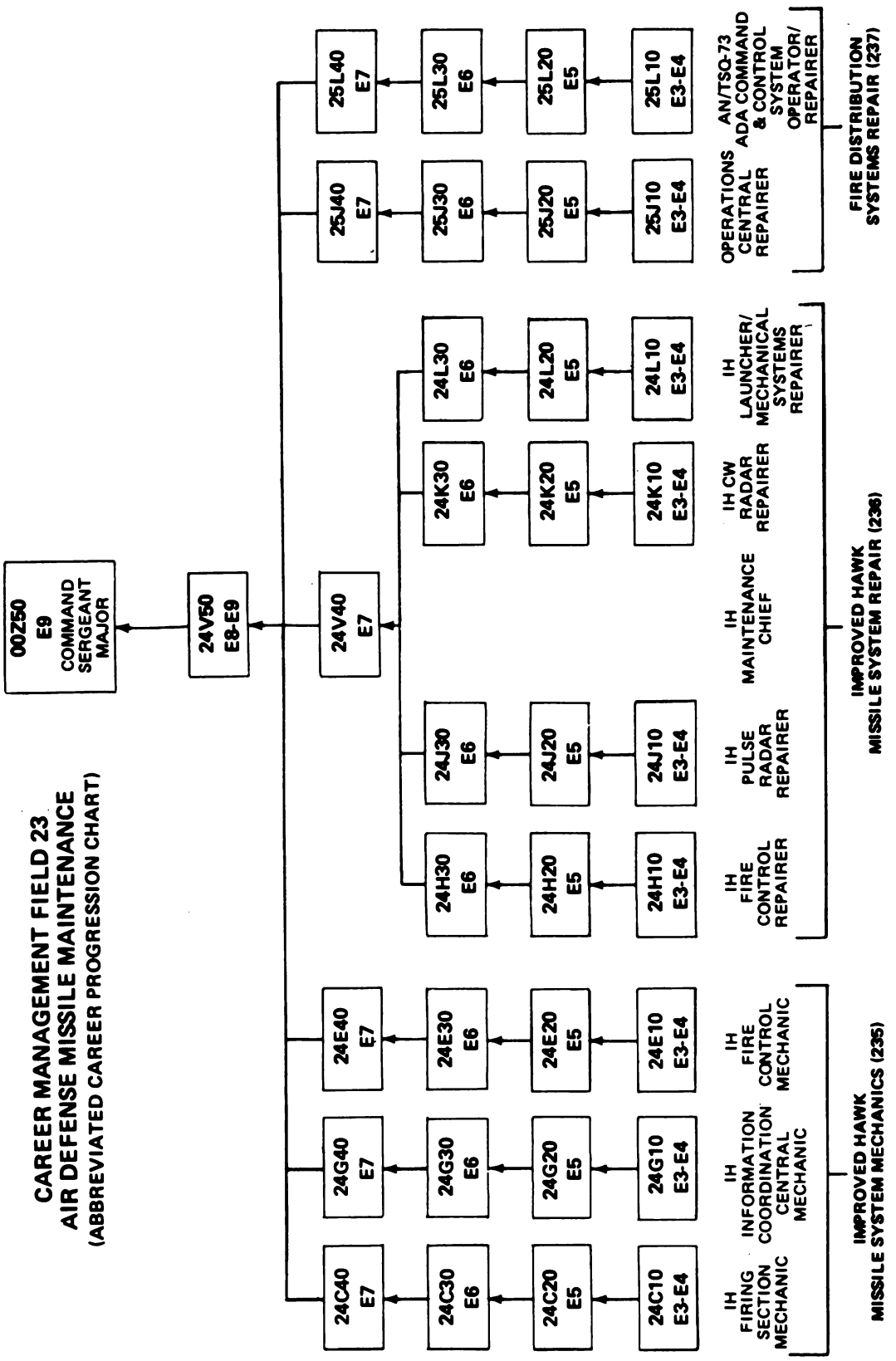

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SKILL QUALIFICATION TEST (SQT)

The skill level 1 soldier is evaluated by the SQT. The skill level 2, 3, and 4 soldier is evaluated by the SQT and senior enlisted evaluation report (SEER). Soldiers are then classified and considered for promotion. The skill qualification test is a yearly test designed to test the soldier's ability to perform the tasks at the skill level held and the lower skill levels in the MOS.

SQT PARTS

The SQT is based on the tasks in FM 9-24V4/5 and FM 21-3 and may consist of three parts.

- SKILL COMPONENT. This part tests the soldier's knowledge of those tasks that cannot easily be tested by the hands-on method.
- HANDS-ON COMPONENT. This part tests the soldier's ability to perform selected tasks on the TOE or TDA equipment.

  NOTE: ALTERNATE HANDS-ON COMPONENT. This part is a written test to be used when it is not practical to administer the hands-on component.
- JOB SITE COMPONENT. This part consists of tasks that are not suited for skill qualification testing for either the skill or hands-on components. They are long or complex tasks. You or your designated representative certify the soldier has done the tasks satisfactorily on the job.

SQT NOTICE

Soldiers receive their SQT notice and Job Site Component Booklet 90 days before the SQT. Each notice lists the tasks in the SQT. They are selected from FM 9-24V4/5 and FM 21-3. The first SQT a soldier takes (SQT 1, SQT 2 and so on) depends on the pay grade held. Soldiers are tested once a year in their primary MOS. To successfully prepare for the SQT, your soldiers need the above manuals.

SQT SCORE

The SQT score is used to verify the soldier's present skill level or to make the soldier eligible to be considered for promotion.

- If the soldier makes a score of 60 percent or more it is proof of proficiency in the MOS at the present skill level. The soldier verifies the skill level held.
- If a soldier doesn't pass the test, the soldier is not qualified at that skill level. The test must be taken again. Another failure, and the soldier becomes subject to reclassification.

SQT FEEDBACK

About 30 days after the SQT, you get an SQT unit profile summary sheet that shows the number and percentage of soldiers in your unit who pass or fail the test. Each soldier also receives a notice of test results with a list of tasks failed, if any. You get a copy of each soldier's test results to evaluate the strengths and weaknesses of individual skills.

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ARMY TRAINING AND EVALUATION PROGRAM (ARTEP)

The ARTEP lists the collective tasks that must be performed by the unit under given conditions and to given standards. The association between the individual tasks of the Soldier's Manuals and the collective tasks of the ARTEP is a critical relationship. The collective tasks of the ARTEP are composed of the individual tasks identified in the Soldier's Manuals. The ability of your unit to perform collective tasks is based on each soldier's mastery of individual tasks. ARTEP 9-58, Pershing and HAWK/NIKE General Support Missile Maintenance Companies, is one of the best tools you have for training and evaluating your unit. As a training tool use it to train soldiers to work together to do mission tasks and use it to evaluate their training. The ARTEP gives you:

- a list of selected tasks in your unit's TOE mission,
- conditions under which the tasks must be performed,
- standards that define the acceptable performance of the tasks, and
- a system for using performance-oriented training to help in developing an effective training program.

Feedback

The SQT gives you feedback on individuals and the ARTEP gives you feedback on your unit. This feedback must be supplemented by your evaluation of your unit's level of performance. You must be able to track your soldier's and your unit's progress through the necessary training that leads to mission success. Unannounced testing is the best way to determine the level of proficiency of your unit. Additional feedback on the state of training for each soldier includes the use of administrative data and files to determine turnover, institutional training background, and experience levels.

Once you have identified areas that need additional emphasis, use the Soldier's Manual and the ARTEP to structure your training. You must train your soldiers to do the tasks in their present skill level and then train them to do the tasks in the next higher skill level.

Evaluate each individual soldier's ability to do the tasks in Soldier's Manuals. Evaluate the unit's ability to do its ARTEP missions. Feedback from the SQT and the ARTEP can provide a solid foundation on which you can build a successful training program.

NONCOMMISSIONED OFFICER EDUCATION SYSTEM (NCOES)

Training under EPMS prepares soldiers for the skill levels they hold and the next higher skill level. The following chart shows the levels of training.

The training consists of Advanced Individual Training for skill level 1 and on-the-job experience or formal training for skill levels 2 through 5.

There is no formal training for skill level 4 and 5 tasks. All these tasks are trained in the unit under supervised on-the-job training, self study, and on-the-job experience. Other tasks are trained in the unit also. The following chart shows some of the training the 24V can get during a career in the Army.

Second-level training prepares the E5 skill level 2 soldier for duty at grade E6, skill level 3.

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MOSs	SKILL LEVEL	GRADE	TRAINING	SELECTION	EVALUATION
24H 24J 24K 24L	1	E1-E4	Advanced Individual Training	Volunteer & Army Acceptance	SQT 1
	2	E5	*Primary Leadership Training	Supervisor or Commander	SQT 2 SEER
	3	E6	*Advanced NCOES	Department of the Army	SQT 3 SEER
24V Improved HAWK Maintenance Chief	4	E7	Improved HAWK Maintenance Chief	Department of the Army	SQT 4 SEER
	5	E8-E9	*Sergeants Major Academy	Department of the Army	SEER

*Noncommissioned Officer Education System—not all soldiers at these skill levels get this training.

Figure 1. Training

The Primary Leadership Course (PLC) is given at the installation level. It is for the soldiers you select having the potential to become NCOs. The PLC develops those training and leadership skills needed by a NCO. You should insure that your best soldiers are given the opportunity to attend this course. It will enhan their advancement potential and provide better-trained leaders for your unit.

An Advanced NCO Course (ANCOC) for E6s, also given at USAMMCS, trains soldiers for grade E Students for this course are selected by the Department of the Army.

The Senior NCO Courses (SNCOC) trains selected E8s and E9s. Senior Courses include the Sergeants Maj Academy (E8s only), an operations and intelligence extension training program, and a unit administratic course for first sergeants.

ADDITIONAL TRAINING

Additional training upgrades the effectiveness of your personnel, and thus, your unit. You can use servi school training, installation school training, and unit training for any training needed to qualify soldiers their skill level and prepare them for duty at the next skill level.

Prime considerations for training are time, training areas, and available assets. Training away from the ur has much appeal, but if time, facilities, or funds limit or prohibit use of major training areas, more loc training should be used. Imaginative trainers and maximum use of available training aids and devices ca make the most of available assets. There are many valuable tools to help improve the unit's performanc Integration of training with the individual tasks in the Soldier's Manual and with the collective tasks in t ARTEP is a good start for the comprehensive training plan.

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TRAINING REFERENCES

The references listed after each task in the Trainer's Guide are the same as those in the Soldier's Manual, FM 9-24V4/5. A consolidated list of references is in appendix A.

- DA publications are listed in the DA Pam 310 series publications. Get them through your publication channels.
- Graphic Training Aids are listed in DA Pam 108-1, Index of Army Motion Pictures and Related Audio-Visual aids. Get them from your Training and Audio-Visual Support Centers.
- Training Extension Courses (TEC) are listed in ETM Status List published by US Army Training Support Center, Ft. Eustis, VA 23604. Your unit is authorized certain TEC lessons. TC 21-5-3, TEC Management Instruction, explains how TEC equipment is used.
- Army Correspondence Courses are listed in DA Pam 351-20. Army Correspondence Course Program Catalogs.
- Miscellaneous references. The source is given.

TRAINING AIDS

Good training aids are a valuable asset to a training program because they add validity and realism to the instruction and allow the trainers to get the point across with more impact. If used properly training aids simplify preparation of instruction. See appendix A of FM 21-6, How to Prepare and Conduct Military Training, for the list of training and audio-visual support centers.

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Chapter 2

SHARED TASKS

SKILL LEVELS 4 AND 5

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NUMBER	TITLE	TRAINING MATERIALS	INITIAL TRAINING LEVEL	BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
LEADERSHIP													
093-399 -4120	Counsel Personnel On Equal Opportunity Program	AR 20-1 AR 600-21	4					Q			A		
093-399 -4123	Conduct a Platoon Drill	FM 22-5	4					Q			A		
121-030 -3527	Conduct a Personnel Counseling With a Subordinate	FM 22-100 FM 22-101 TEC Lesson 909-071-0038-F TEC Lesson 909-071-0039-F	4					Q			A		
LEGAL AFFAIRS/MILITARY JUSTICE													
093-425 -4031	Recommend Actions Concerning A Breach of Military Discipline	AR 27-10 AR 350-212 AR 600-31 AR 630-10 FM 27-14 DA Pam 600-8 FM 22-100 MCM, 1969, (Revised)	4					Q			A		

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
LEGAL AFFAIRS/MILITARY JUSTICE (CONT)													
181-908 -2300	Determine Whether Authority To Conduct Search Exists	MCM, 1969, (Revised) FM 27-1 FM 27-14 TEC Lesson 909-071-0044-F	4					Q			A		
MAINTAIN CLOTHING AND EQUIPMENT													
093-404 -3004	Review TAAMS Records/Reports	TM 38-750 TM 38-750-1	4					Q			A		
SECURITY													
093-410 -4201	Perform Security Inspection	AR 380-5 AR 340-2 DODISPR 5200.1-R	4					Q			A		
121-004 -1417	Receipt/Control Classified Material	DOD 5200.1-R AR 340-18-1 AR 380-5	4					Q			A		

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
SUPPLY													
093-434 -4208	Prepare/Maintain DA Form 2062 Hand Receipt	AR 710-2 FM 10-14 SC 4931-92-CL-1 SC 4935-95-CL-A40	4					Q			A		
101-535 -2154	Determine Method of Obtaining Relief from Responsibility for Lost, Damaged and Destroyed Property	AR 735-11	4					Q			A		
TACTICAL UNIT OPERATIONS													
050-196 -3011	Determine the Classification of a Timber Trestle Bridge Using the Hasty Bridge Classification Wheel	TM 5-312 GTA 5-7-9	4					Q			A		
071-326 -5750	Prepare and Issue and Oral Platoon Defensive Operation Order	FM 7-7 (HTF) FM 7-8 (HTF)	4					Q			A		
071-332 -5000	Prepare an Operation Overlay	FM 21-30 FM 71-2 (HTF)	4					Q			A		
091-379 -0127	Supervise Platoon in Riot Control Formation	FM 19-15 ACCP Subcourse MP0043	4					Q			A		
093-396 -4007	Direct Personnel in Preparation for Unit Movement	FM 9-59 FM 9-47 FM 9-38	4					Q			A		

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
TACTICAL UNIT OPERATIONS (cont)													
093-410 -4204	Establish Platoon's Perimeter of Defense	FM 9-59 FM 29-23	4					Q				A	
UNIT ADMINISTRATION													
093-396 -4024	Prepare Standing Operating Procedure (SOP)	FM 9-59 FM 29-2 FM 29-23 FM 101-5	4					Q			A		
093-396 -4029	Prepare Briefing	FM 101-5 ACCP Subcourse IS 0208 ACCP Subcourse IS 0210	4					Q			A		
093-396 -4031	Use TOE, TDA, MTOE and/or MTDA for Personnel/Equipment Management Purposes	AR 310-31 AR 310-49 FM 9-59 FM 10-14 ACCP Subcourse OD 0834	4					A			A		
093-396 -4042	Monitor Unit Programs to Combat Alcohol and Drug Abuse	AR 600-85 ACCP Subcourse IS 0238	4					Q			A		
093-396 -4067	Assist in Preparation of Unit Readiness Report	AR 220-1 TM 38-750	4					Q			A		

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
UNIT ADMINISTRATION (cont)													
093-399 -4121	Explain Customs and Traditions of the Service	AR 600-25 FM 22-5 Formal Dining-in Handbook Leadership and Resource Management	4					Q			A		
121-004 -3401	Review a Basic Comment to a Disposition Form (DA Form 2496)	AR 310-50 AR 340-15	4					Q			A		
121-004 -3402	Review a Military Letter	AR 310-50 AR 340-15	4					Q			A		
121-004 -3403	Review a Nonmilitary Letter	AR 310-50 AR 340-15	4					Q			A		

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCDTNG
SKILL LEVEL 4													
UNIT ADMINISTRATION (CONT)													
121-004 -3404	Review an Indorsment to a Military Letter	AR 310-50 AR 340-15	4					Q			A		
121-004 -3416	Review a Memorandum	AR 310-50 AR 340-15	4					Q			A		
121-004 -3429	Review Filing of Documents/ Correspondence	AR 340-2 AR 340-18-1	4					Q			A		
121-004 -3430	Prepare Files for Disposal	AR 340-2 AR 340-18-1	4					Q			A		
121-004 -3433	Draft Military Correspondence	AR 105-31 AR 310-50 AR 340-15 DA Pam 1-10	4					Q			A		
121-030 -3502	Select a Detail Using a Duty Roster (DA Form 6)	AR 220-45 TEC Lesson 500-121-8119-A	4					Q			A		

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
UNIT ADMINISTRATION (CONT)													
121-030 -3503	Initiate Recommendation for an Award or Decoration	AR 672-5-1 ACCP Subcourse AG 0006	4					Q			A		
093-425 -4033	Determine Adequacy of DA Publications in Unit	AR 310-1 AR 310-2 DA Pam 310-2 DA Pam 310-10	4					Q			A		
UNIT TRAINING													
093-399 -4105	Explain the Organizational Effectiveness (OE) Program	AR 600-76 TC 26-1	4					Q			A		
093-399 -4119	Explain the EPMS System	AR 600-200 AR 611-201	4					Q			A		
093-399 -4124	Explain Army Educational Opportunities	AR 621-5											
093-425 -4042	Direct Supervised on-the-Job Training (SOJT) Program	FM 9-59 FM 21-6	4					Q			A		
874-896 -4070	Sample Individual Training (Quality Control Check)	FM 21-6	4					Q			A		

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 5													
AMMUNITION STORAGE													
093-425 -5046	Assist in an Inspection of the Small Arms and Small Arms Ammunition Storage Facilities	AR 190-11 AR 190-13 FM 19-30	5								Q	A	
LEGAL AFFAIRS/MILITARY JUSTICE													
181-909 -5010	Supervise Preparation of Sworn/ Unsworn Statements	FM 27-1 MCM, 1969, (Rev)	5								Q	A	
181-909 -5100	Supervise Preparation of Record of Proceedings Under Article 15, UCMJ (DA Form 2627)	FM 27-1 FM 27-14 TEC Lesson 909-071-0045-F MCM, 1969, (Rev)	5								Q	A	
TACTIAL UNIT OPERATIONS													
071-332 -5050	Monitor Operations/Movements of Subordinate Units	FM 7-20 FM 101-5	5								Q	A	
UNIT ADMINISTRATION													
093-425 -5008	Review Unit Manning Report	DA Pam 600-8-1	5								Q	A	
093-425 -5009	Review Mark Sense Forms	DA Pam 600-8-1	5								Q	A	
093-425 -5011	Review DA Form 31 (Request and Authority for Leave)	AR 630-5	5								Q	A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
UNIT ADMINISTRATION (cont)													
093-425 -5012	Review Enlisted (E3 through E6) Promotion Recommendation Procedures	AR 600-200	5								Q	A	
093-425 -5013	Review DA Form 4187, Personnel Action	AR 680-1 DA Pam 600-8	5								Q	A	
093-425 -5026	Supervise Preparation of DA Form 268, Report for Suspension of Favorable Personnel Action	AR 600-31 FM 27-1	5								Q	A	
093-425 -5027	Recommend a Bar to Reenlistment	AR 601-280	5								Q	A	
093-425 -5028	Initiate Administrative Actions on an AWOL Soldier	AR 340-15 AR 600-31 AR 630-10 AR 680-1 AR 700-84 DA Pam 600-8-1	5								Q	A	
093-425 -5029	Prepare Dropped From the Rolls (DFR) Administrative Action	AR 27-1 AR 27-10 AR 40-121 AR 190-9 AR 340-15 AR 600-31 AR 604-5 AR 630-10 AR 700-84 DA Pam 600-8-1 MCM, 1969, (Rev)	5								Q	A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
UNIT ADMINISTRATION (CONT)													
093-425 -5030	Review Application for Hardship/ Dependency Discharge	AR 635-200									Q	A	
093-425 -5031	Supervise Preparation of a Recommendation for Discharge for Misconduct/Unsuitability	AR 15-6 AR 600-31 AR 600-50 AR 600-85 AR 604-5 AR 635-200	5								Q	A	
093-425 -5032	Monitor Meal Card Register	AR 30-1	5								Q	A	
093-425 -5035	Monitor an Inventory of Absentee's Personal Effects and Military Equipment	AR 630-10 AR 700-84 AR 710-2	5								Q	A	
093-425 -5036	Review DA Form 2142, Pay Inquiry; DA Form 1341, JUMPS - Army Allotment Authorization; and DA Form 3685, JUMPS - Army Pay Election	AR 37-101-1 AR 37-104-3	5								Q	A	
093-425 -5038	Assist the Commander in Conducting a Personnel Asset Inventory (PAI)	AR 680-31	5								Q	A	
093-425 -5039	Review Personnel Strength Zero Balance Report, Part I and II	DA Pam 600-8-1	5								Q	A	
093-425 -5041	Review DA Form 3815, SIDPERS Input and Control Data - Authentication and Transmittal (Batch Control Form)	DA Pam 600-8-1	5								Q	A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
UNIT ADMINISTRATION (CONT)													
093-425 -5047	Prepare DA Form 4179-R, Leave Control Log Form	AR 630-5	5								Q	A	
093-434 -5819	Monitor Unit Mail Operations	AR 65-1 AR 65-75 AR 340-2 AR 340-18-11	5								A	A	
093-434 -5823	Advise Commander on Unit Readiness	AR 220-1 TM 38-750 ACCP Subcourse IS 0271	5								Q	A	
121-020 -3420	Review Maintenance of the Personnel Qualification Record (PQR), DA Form 2	AR 640-2-1 AR 680-29 DA Pam 600-8-2 ACCP Subcourse AG 0309	5								Q	A	
121-020 -3423	Review the Maintenance of the PDC - SIDPERS, DA Form 2475-2	AR 680-1 DA Pam 600-8-1 ACCP Subcourse AG 0330	5								Q	A	
121-03- -5003	Maintain Accountability of Personnel (Status Report, Casualty Report)	AR 600-10	5								Q	A	

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Chapter 3

DUTY POSITION TASKS

SKILL LEVELS 4 AND 5

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
NBC DUTIES													
031-503 -4001	Supervise Unit Decontamination of Equipment	TM 3-220	4					Q				A	
031-503 -4002	Emplace Automatic Chemical Agent Alarm System	FM 21-40 TM 3-6665-225-12	4					Q				A	
ADMINISTRATIVE AND SUPPLY DUTIES													
093-425 -4033	Prepare Requisitions for DA Publications	AR 310-1 AR 310-2 DA Pam 310-10	4					Q				A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
MAINTENANCE MANAGEMENT													
093-409 -4101	Monitor Performance of Technical Inspections	AR 750-1 FM 9-59 TM 38-750	4					Q				A	
093-409 -4103	Monitor Bench Stock Operations	AR 710-2 FM 29-25 ACCP Subcourse QM 0435	4					Q				A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
093-409 -4104	Monitor Maintenance Support Team Operations	FM 9-59 TM 38-750 ACCP Subcourse MM 0904	4					Q				A	
093-409 -4106	Monitor Demand Supported Shop Stock Operations	AR 710-2 FM 29-25	4					Q				A	
093-409 -4107	Coordinate Evacuation of Unserviceable Repairable Equipment	AR 750-1 TM 38-750	4					Q				A	
093-409 -4112	Coordinate Repair Activities Between Repair Sections and Production Control (PC)	FM 9-59 FM 29-23 TM 38-750	4					Q				A	
093-409 -4174	Coordinate Activities Between Production Control and Technical Supply	AR 710-2 FM 9-59 ACCP Subcourse OD 0908	4					Q				A	
093-409 -4176	Monitor Activities of Direct Exchange (DX)	FM 29-25 TM 38-750 ACCP Subcourse QM 0435	4					Q				A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
093-409 -4177	Direct Reconciliation of Production Control Operation	FM 9-59 TM 38-750 ACCP Subcourse MM 0101	4					Q				A	
093-409 -4179	Monitor Maintenance Reporting and Management (MRM) Data	TM 38-L09-11	4					Q				A	
093-425 -4041	Coordinate Issue and Evacuation of Float Equipment	AR 710-2 AR 750-1 FM 9-59 FM 29-23 FM 38-750	4					Q				A	
093-409 -4043	Prepare Missile Materiel Readiness Report	AR 750-40	4								Q	A	
093-409 -4061	Monitor Operational Readiness of Supported Missile System	FM 29-23	4					Q				A	
093-409 -4048	Direct Maintenance Shop Supply Activities	AR 710-2 FM 9-59 FM 29-23	4					Q				A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
093-425 -4049	Monitor Organizational Maintenance on the Operational Readiness Float (ORF) Equipment	AR 750-1 DA Pam 750-1 FM 9-59 FM 29-2 FM 29-23 TM 38-750	4					Q				A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
PERFORMING SUPPORT MAINTENANCE DUTIES													
093-425 -4050	Monitor Support Maintenance on the Improved Battery Control Central (IBCC) AN/TSW-8	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	
093-425 -4051	Monitor Support Maintenance on the Improved Platoon Command Post (IPCP) AN/MSW-ll	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	
093-425 -4052	Monitor Support Maintenance on the Improved Information and Coordination Central (ICC) AN/MPQ-95	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	
093-425 -4053	Monitor Support Maintenance on the Improved Pulse Acquisition Radar (IPAR) AN/MPQ-50	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4											

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
093-425 -4054	Monitor Support Maintenance on the Improved Range Only Radar (IROR) AN/MPQ-51	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	
093-425 -4055	Monitor Support Maintenance on the Improved Continuous Wave Acquisition Radar (ICWAR) AN/MPQ-48	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	
093-425 -4056	Monitor Support Maintenance on the Improved High Powered Illuminator Radar (IHIPIR) AN/MPQ-46	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	
093-425 -4057	Monitor Support Maintenance on the Improved Launcher (ILCHR) M-192	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	
093-425 -4058	Monitor Support Maintenance on the Improved Simulator Station (ISS) AN/TPQ-29	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
093-425 -4059	Monitor Maintenance on the Support Maintenance Test Equipment (SMTE)	FM 9-59 FM 29-23 TM 9-4935-540-14-1 TM 38-750 TB 43-180	4					Q				A	
093-425 -4060	Monitor Support Maintenance on the Improved HAWK Loader Transporter	FM 9-59 TM 9-1450-500-20 TM 9-1450-500-34 TM 38-750	4					Q				A	
093-425 -4062	Monitor Intra-System Operations on the Improved System	FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	4					Q				A	
093-425 -4063	Monitor QA/QC Program	FM 9-59 TM 750-245-4	4					Q				A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 4													
093-425 -4064	Supervise Maintenance on the Improved HAWK Electronic Shops and Mobile Team Shops	FM 9-59 FM 29-23 TM 9-4935-540-14-1 TM 38-750 TB 43-180	4					Q				A	
093-425 -4065	Monitor Maintenance on the Improved HAWK Test Accessory Group	FM 9-59 FM 29-23 TM 9-4935-540-14-1 TM 38-750 TB 43-180	4					Q				A	
093-431 -4022	Monitor Support Maintenance on the Interrogator Set AN/TPX-46 (V)	FM 9-59 FM 29-23 TM 11-5895-532-12 TM 11-5895-532-34-1 TM 11-5895-532-34-2 TM 11-5895-532-34-3 TM 11-5895-532-34-4 TM 11-5895-532-34-5 TM 38-750 TM 750-245-4	4					Q				A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 5													
SECURITY MANAGEMENT													
093-425 -5044	Prepare a National Agency Check (NAC) Request	AR 604-5	5									Q A	
PUBLICATIONS MANAGEMENT													
093-425 -5001	Review Reference Library	AR 310-1 DA Pam 310-1 DA Pam 310-2 DA Pam 310-3 DA Pam 310-4 DA Pam 310-13	5									Q A	
SUPPLY MANAGEMENT													
093-425 -5006	Reveiw Statement of Charges (DD Form 362)	AR 735-11	5									Q A	
CORRESPONDENCE MANAGEMENT													
093-425 -5020	Request Orders	AR 310-10	5									Q A	
MILITARY JUSTICE													
093-425 -5021	Protect the Rights of an Accused Or Suspected Individual	FM 27-1	5									Q A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
093-425 -5023	Supervise Preparation of DD Form 458, Courts-Martial Charge Sheet	FM 27-1	5									Q A	
093-425 -5025	Supervise Preparation of Summary of Nonjudicial Punishment Administered Form (DA Form 3743-R)	FM 27-1	5									Q A	
MANAGEMENT													
093-425 -5033	Review Cash Collection Voucher (DD Form 1131)	AR 735-11	5									Q A	
093-425 -5034	Review Inventory Adjustment Report (IAR) (DA Form 444)	AR 735-11	5									Q A	
PERSONNEL MANAGEMENT													
093-425 -5009	Review Mark Sense Forms	DA Pam 600-8-1	5									Q A	
093-425 -5037	Review Unit Transmittal Letter (UTL)	DA Pam 600-8	5									Q A	
093-425 -5038	Assist the Commander in The Conduct of a Personnel Asset Inventory (PAI)	AR 680-31	5									Q A	
093-425 -5039	Review Personnel Strength Zero Balance Report, Parts I and II	DA Pam 600-8-1	5									Q A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 5													
093-425 -5041	Review DA Form 3815, SIDPERS Input and Control Data Authentication and Transmittal (Batch Control Form)	DA Pam 600-8-1	5									Q A	
093-425 -5042	Supervise Preparation and Transmittal of Personnel Accounting Data for SIDPERS	DA Pam 600-8-1	5									Q A	
MAINTENANCE MANAGEMENT													
093-425 -5052	Monitor Maintenance of Unit Equipment	DA Pam 750-1 FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	5									Q A	
093-425 -5055	Monitor Issue and Evacuation of Equipment	AR 710-2 FM 9-59 FM 29-23 TM 38-750 TM 750-245-4	5									Q A	
093-425 -5057	Monitor Shop Safety	FM 9-59	5									Q A	
093-425 -5058	Monitor Preparations for Inspection	FM 9-59	5									Q A	
093-425 -5060	Monitor Shop Operations	FM 9-59	5									Q A	

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TASK NUMBER	TITLE	PRIMARY TRAINING MATERIALS	INITIAL TRAINING LEVEL	RESPONSIBILITY FOR TRAINING									
				INSTITUTION							UNIT		
				BT	AIT	PTC	PLC	ANCOC	SNCOC	SGMA	SOJT	SELF STUDY	SCD TNG
SKILL LEVEL 5													
093-434 -5823	Advise Commander on Unit Readiness	AR 220-1 AR 750-25 ARTEP 29-226	5									Q A	

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APPENDIX A

CONSOLIDATED LIST OF REFERENCES

All references containing information on the subjects listed in this Soldier's Manual may not be listed here. New material is constantly being published and present references may become obsolete. See the DA Pam 310 series and instructional material catalogs to keep up-to-date.

DOD

5200.1-R	Information Security Program Regulation

ARMY REGULATIONS (AR)

15-6	Procedure For Investigating Officers and Boards of Officers
20-1	Inspector General Activities and Procedures
27-1	Judge Advocate Legal Service
27-10	Military Justice
27-20	Claims
30-1	The Army Food Service Program
37-101-1	Field Organization and Operating Instructions Under The Joint Uniform Military Pay System-Army (Jumps-Army)
37-104-3	Military Pay and Allowances Procedures: Joint Uniform Military Pay System (Jumps-Army)
40-121	Uniform Services Health Benefit Program
65-1	Army Postal Operating Instructions
65-75	Unit Mail Service
105-31	Record Communications
190-9	Military Absentee and Deserter Apprehension Program
190-11	Physical Security of Weapons, Ammunition, and Explosives
190-13	The Army Physical Security Program
220-1	Unit Status Reporting
220-45	Duty Rosters
310-1	Publications, Blank Forms, and Printing Management
310-2	Identification and Distribution of DA Publications and Issue of Agency and Command Administrative Publications

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RMY REGULATIONS (AR)

)-10	Military Orders
)-31	Management System for Tables of Organization and Equipment (The TOE System)
)-49	The Army Authorization Documents System (TADDS)
)-50	Catalog of Abbreviations and Brevity Codes (Available in 4 × 8 microfiche only)
)-1	Records Management Program
)-2	Maintenance and Disposition of Records in TOE Units of the Active Army, the Army Reserve and the National Guard
)-15	Preparing Correspondence
)-18-1	The Army Functional Files System General Provision
)-18-11	Maintenance and Disposition of Communications Functional Files
)-212	Military Justice
)-5	Department of the Army Information Security Program Regulation
)-10	The Army Casualty System
)-21	Equal Opportunity Program in the Army
)-25	Salutes, Honors, and Visits of Courtesy
)-31	Suspension of Favorable Personnel Actions for Military Personnel in National Security Cases or Other Investigations or Proceedings
)-50	Standards of Conduct for Department of Army Personnel
)-76	Organizational Effectiveness (OE) Activities and Training
)-85	Alcoholic and Drug Abuse Prevention and Control Program
)-200	Enlisted Personnel Management System
1-280	Army Reenlistment Program
4-5	Clearance of Personnel for Access to Classified Defense Information and Material
1-201	Enlisted Career Management Fields and Military Occupational Specialties
1-5	Army Continuing Education System (ACES)
)-5	Leave, Passes, Permissive Temporary Duty, and Public Holidays
)-10	Absent Without Leave and Desertion
5-200	Enlisted Personnel
)-2-1	Personnel Qualification Records
2-5-1	Military Awards
)-1	Unit Strength Accounting and Reporting
)-29	Military Personnel, Organization, and Type of Transaction Codes
)-31	Military Personnel Asset Inventory and Strength Reconciliation

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ARMY REGULATIONS (AR)

700-84	Issue and Sale of Personal Clothing
710-2	Material Management For Using Units, Support Units and Installations
735-11	Accounting For Lost, Damaged, and Destroyed Property
750-1	Army Materiel Maintenance Concepts and Policies
750-25	Army Metrology and Calibration System
750-40	Missile Material Readiness Report

DA PAMPHLETS (DA PAM)

1-10	Improve Your Writing
310-1	Index of Administrative Publications
310-2	Index of Blank Forms
310-3	Index of Doctrinal, Training, and Organizational Publications
310-4	Index of Technical Manuals, Technical Bulletins, Supply Manuals (Type 7, 8 and 9), Supply Bulletins and Lubrication Orders
310-10	Guide for Publications Supply Personnel
310-10-2	The Standard Army Publications System (Starpub): Re-supply Guide
310-13	Posting and Filing Publications
600-8	Military Personnel Office Management and Administrative Procedures
600-8-1	Standard Installation/Division Personnel System (SIDPERS); Unit Level Procedures
600-8-2	Standard Installation/Division Personnel System (SIDPERS); Military Personnel Office Level Procedures
750-1	Maintenance Guide For Learners

FIELD MANUALS (FM)

7-7 (HTF)	The Mechanized Infantry Platoon and Squad (How to Fight)
7-8 (HTF)	The Infantry Platoon and Squad (Infantry, Airborne, Air Assault, Ranger) (How to Fight)
7-20 (HTF)	The Infantry Battalion (Infantry, Airborne, Air Assualt, Ranger) (How to Fight)
9-38	Conventional Ammunition Unit Operations
9-47	Special Ammunition Unit Operations
9-59	Missile Support Unit Operations
10-14	Unit and Organization Supply (Manual Procedures)
19-15	Civil Disturbances
19-30	Physical Security

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FIELD MANUALS (FM)

21-2	Soldier's Manual of Common Tasks, Skill Level 1
21-3	Soldier's Manual of Common Tasks, Skill Level 2, 3, and 4
21-6	How to Prepare and Conduct Military Training
21-30	Military Symbols
21-40	NBC (Nuclear, Biological and Chemical) Defense
22-5	Drill and Ceremonies
22-100	Military Leadership
22-101	Leadership Counseling
27-1	Legal Guide for Commanders
27-14	Legal Guide for the Soldier
29-2	Organizational Maintenance Operations
29-23	Direct Support Maintenance Operations (Nondivisional)
29-25	Direct Exchange, Shop Supply and Operational Readiness Float Procedures
71-2 (HTF)	The Tank and Mechanized Infantry Battalion Task Force (How to Fight)
101-5	Staff Officer's Field Manual, Staff Organization and Procedure

TRAINING CIRCULAR (TC)

26-1	Commander's Guide to Organizational Effectiveness

TECHNICAL MANUALS (TM)

3-220	Chemical, Biological and Radiological (CBR) Decontamination
3-6665-225-12	Operator's and Organizational Maintenance Manual: Alarm, Chemical Agent, Automatic Portable, Manpack, M8 (NSN 665-00-935-6955) Fixed Emplacement M10 (6665-00-169-1446) For Trucks, Utility: ¼-Ton, M11 (6665-00-169-1447); Truck: ¾-Ton M12 (6665-00-169-1448), Truck 2 ½-Ton, M13 (6665-00-169-1449); Full-Tracked Armored Personnel Carriers and Recovery Vehicles, M14 (6665-00-169-1450), Carrier, Command and Reconnaissance, Armored: M15 (6665-00-169-1451) With Power Supply for Truck, Utility: ¼-Ton, M16 (6665-00-169-1452); Truck: ¾-Ton, M17 (6665-00-169-1453) and Truck: 2-½-Ton, M18 (6665-00-169-1454)
5-312	Military Fixed Bridges
9-1425-525-1	Description of Improved HAWK Air Defense Guided Missile System (Improved HAWK Air Defense Guided Missile System) (U)
9-1425-525-12-1	Operator and Organizational Maintenance Manual: Emplacement of Improved HAWK Air Defense Guided Missile System (Improved HAWK Air Defense Guided Missile System)
9-1425-525-12-2	Operator and Organizational Maintenance Manual: System Functional Diagrams (Improved HAWK Air Defense Guided Missile System)

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TECHNICAL MANUALS (TM)

9-1425-525-12-3	Operator and Organizational Maintenance Manual: Electronic Countermeasures and Counter-Countermeasures (Improved HAWK Air Defense Guided Missile System) (U)
9-1425-525-12-4	Operator's and Organizational General Maintenance For the Improved HAWK Guided Missile System
9-1425-525-12-5	Organizational Maintenance Manual: System Functional Interconnection Diagrams (Improved HAWK Air Defense Guided Missile System)
9-1425-525-34	Direct Support and General Support Maintenance Manual General Maintenance For (Improved HAWK Air Defense Guided Missile System)
9-1425-585-14/2	Operator, Organizatonal, Direct Support and General Support Maintenance Manual (Including Repair Parts and Special Tool Lists) For Electrical Equipment Shelters (CHAPARRAL Air Defense Guided Missile System) (Forward Area Alerting Radar System) and (Improved HAWK Air Defense Guided Missile System)
9-1430-526-12-1	Operator and Organizational Maintenance Manual Improved Guided Missile Battery Control Central, AN/TSW-8 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-526-12-2-1	Operator and Organizational Maintenance Manual: Functional Theory and Schematics For Improved Guided Missile Battery Control Central AN/TSW-8 (X0-1) (Improved HAWK Air Defense Guided Missile System (U)
9-1430-526-12-2-2	Operator and Organizational Maintenance Manual Functional Theory and Schematics for Improved Guided Missile Battery Control Central AN/TSW-8 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-526-12-3	Operator and Organizational Maintenance Manual: Schematics for Improved Guided Missile Battery Control Central AN/TSW-8 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-526-34-1	Direct Support and General Support Maintenance Manual: Units Of Guided Missile Battery Control Central AN/TSW-8 (X0-1) Tested At The High Frequency Console (Improved HAWK Air Defense Guided Missile System)
9-1430-526-34-2	Direct Support and General Support Maintenance Manual For Improved Guided Missile Battery Control Central AN/TSW-8 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-527-12-1	Operator's and Organizational Maintenance Manual: Guided Missile System Information and Coordination Central AN/MSQ-95 (X0-1) and (X0-2) (Improved HAWK Air Defense Guided Missile System)
9-1430-527-12-2-1	Operator's and Organizational Maintenance Manual: Functional Theory and Schematics for Guided Missile System Information and Coordination Central AN/MSQ-95 (X0-1) and (X0-2) (Improved HAWK Air Defense Guided Missile System)
9-1430-527-12-2-2	Operator's and Organizational Maintenance Manual Functional Theory and Schematics for Guided Missile System, Information and Coordination Central, AN/MSQ-95 (X0-1 and X0-2) (Improved HAWK Air Defense Guided Missile System)

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TECHNICAL MANUALS (TM)

9-1430-527-12-2-3	Operator's and Organizational Maintenance Manual Functional Theory and Schematics for Guided Missile System Information and Coordination Central AN/MSQ-95 (X0-1) and (X0-2) (Improved HAWK Air Defense Guided Missile System)
9-1430-527-12-3	Operator and Organizational Maintenance Manual: Fault Isolation and Correction for Radar Target Data Processor: A Part of Guided Missile System Information and Coordination Central, AN/MSQ-95 (X0-1) and (X0-2) (Improved HAWK Air Defense Guided Missile System)
9-1430-527-34-1	Direct Support and General Support Maintenance Manual: Units of Guided Missile Information and Coordination Central AN/MSQ-95, Tested at the High Frequency Console (Improved HAWK Air Defense Guided Missile System)
9-1430-527-34-2-1	Direct Support and General Support Maintenance Manual: Guided Missile System Information and Coordination Central AN/MSQ-95 (X0-1) and (X0-2) (Improved HAWK Air Defense Guided Missile System)
9-1430-527-34-2-2	Direct Support and General Support Maintenance Manual: Guided Missile System Information and Coordination Central AN/MSQ-95 (X0-1) and (X0-2) (Improved HAWK Air Defense Guided Missile System)
9-1430-537-34-2-3	Direct Support and General Support Maintenance Manual: Guided Missile System Information and Coordination Central AN/MSQ-95 (X0-1) and (X0-2) (Improved HAWK Air Defense Guided Missile System)
9-1430-528-12-1	Operator and Organizational Maintenance Manual: Radar Set AN/MPQ-48 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-528-12-2-1	Operator and Organizational Maintenance Manual: Functional Theory and Schematics, Improved CW Acquisition Radar Set AN/MPQ-48 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-528-12-2-2	Operator and Organizational Maintenance Manual: Functional Theory and Schematics, Improved CW Acquisition Radar Set AN/MPQ-48 (X0-1) (Improved HAWK Air Defense Guided Missile System (U)
9-1430-528-12-3	Operator and Organizational Maintenance Manual: Schematics for Radar Set AN/MPQ-48 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-528-34-1	Direct Support and General Support Maintenance Manual: Units of Radar Set AN/MPQ-48 (X0-1) Tested At High Frequency Console (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-528-34-2	Direct and General Support Maintenance Manual Radar Set AN/MPQ-48 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-529-12-1	Operator's and Organizational Maintenance Manual: Radar Set AN/MPQ-5l (X0-1), 10399038 W/E: 10674604 WO/E (NSN 1430-00-178-8454) Improved HAWK Air Defense Guided Missile System)
9-1430-529-12-2	Organizational Maintenance Manual: Functional Theory and Schematics for Radar Set, AN/MPQ-51 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)

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9-1430-529-12-3	Operator and Organizational Maintenance Manual: Schematics for Radar Set AN/MPQ-51 (X0-1) (Improved HAWK Air Defense Guided Missile (System) (U)
9-1430-529-34-1	Direct Support and General Support Maintenance Manual: Units of Radar Set, AN/MPQ-51 (X0-1) Tested at the High Frequency Consoles (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-529-34-2	Direct Support and General Support Maintenance Manual: Radar Set AN/MPQ-51 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-532-12-1	Operator and Organizational Maintenance Manual: Guided Missile System Radar Signal Simulator Station AN/TPQ-29 (X0-1) (Improved HAWK Air Defense Guided Missile System (U)
9-1430-532-12-2	Operator and Organizational Maintenance Manual: Functional Theory and Schematics for Guided Missile System Radar Signal Simulator Station AN/TPQ-29 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-532-12-3	Operator and Organizational Maintenance Manual: Schematics and Wiring List for Guided Missile System Radar-Signal Simulator Station AN/TPQ-29 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-533-12-1	Operator's and Organizational Maintenance Manual for Improved High-Powered Illuminator Radar Set AN/MPQ-46 (XO-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-12-2-1	Operator and Organizational Maintenance Manual Functional Theory and Schematics for Radar Set, AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-533-12-2-2	Operator's and Organizational Maintenance Manual: Functional Theory and Schematics for Radar Set, AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System (U)
9-1430-533-12-3	Operator's and Organizatonal Maintenance Manual: Schematics for Improved High Power Illuminator Radar Set, AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-533-12-4-1	Operator and Organizational Maintenance Fault Isolation Manual For Improved High-Powered Illuminator Radar, AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-12-4-2	Operator's And Organizational Maintenance Fault Isolation Manual For Improved High-Powered Illuminator Radar AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-12-4-3	Operator and Organizational Maintenance Fault Isolation Manual For Improved High-Powered Illuminator Radar AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-12-4-4	Operator and Organizational Maintenance Fault Isolation Manual For Improved High-Powered Illuminator Radar, AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)

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9-1430-533-12-4-5	Operator's and Organizational Maintenance Fault Isolation Manual: Improved High-Powered Illuminator Radar AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-12-4-6	Operator's and Organizational Maintenance Fault Isolation Manual for Improved High-Powered Illuminator Radar AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-12-4-7	Operator's and Organizational Maintenance Fault Isolation Manual: Improved High-Powered Illuminator Radar AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-12-4-8	Operator's and Organizational Maintenance Fault Isolation Manual For Improved High-Powered Illuminator Radar AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-12-4-9	Operator and Organizational Maintenance Fault Isolation Manual: Improved High-Powered Illuminator Radar AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-533-34-1	Direct Support and General Support Maintenance Manual: Units Of Radar Set, AN/MPQ-46 (X0-1) Tested At the High Frequency Console (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-533-34-2	Direct Support And General Support Maintenance Manual: Radar Set, AN/MPQ-46 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-534-12-1	Operator's And Organizational Maintenance Manual For Radar Set, AN/MPQ-50 (X0-1) 10399037 (W/E) 10673550 (WO/E) (NSN 1430-00-178 -8453) Improved HAWK Air Defense Guided Missile System)
9-1430-534-12-2	Operator And Organizational Maintenance Manual: Functional Theory And Schematics For Radar Set, AN/MPQ-50 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-534-12-3	Operator And Organizational Maintenance Manual: Schematics For Radar Set, AN/MPQ-50 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-534-34-1	Direct Support And General Support Maintenance Manual: Units Of Radar Set, AN/MPQ-50 (X0-1) Tested At The High Frequency Console (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-534-34-2	Direct Support And General Support Maintenance Manual For Radar Set, AN/MPQ-50 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-535-12-1	Operator's And Organizational Maintenance Manual: Improved Platoon Command Post AN/MSW-11 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-535-12-2-1	Operator And Organizational Maintenance Manual: Functional Theory and Schematics For Improved Platoon Command Post AN/MSW-11 (X0-1) (Improved HAWK Air Defense Guided Missile System)

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9-1430-535-12-2-2	Operator And Organizational Maintenance Manual: Functional Theory and Schematics For Improved Platoon Command Post AN/MSW-11 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-535-12-2-3	Operator And Organizational Maintenance Manual: Functional Theory And Schematics For Improved Platoon Command Post, AN/MSW-11 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-535-12-3	Operator And Organizational Maintenance Manual: Fault Isolation And Correction For Improved Platoon Command Post AN/MSW-11 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-535-34-1	Direct Support And General Support Maintenance Manual: Units of Improved Platoon Post, AN/MSW-11 (X0-1) Tested At The High Frequency Console (Improved HAWK Air Defense Guided Missile System)
9-1430-535-34-2-1	Direct Support And General Support Maintenance Manual: Improved Platoon Command Post, AN/MSW-11 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-535-34-2-2	Direct Support And General Support Maintenance Manual: Guided Missile Improved Platoon Command Post, AN/MSW-11 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-1526-12-1	Operator's And Organizational Maintenance Manual: Improved Guided Missile Battery Control Central, AN/TSW-11, (NSN 1430-01-042-4910) (Improved HAWK Air Defense Guided Missile System)
9-1430-1526-12-2-1	Operator's And Organizational Maintenance Manual Functional Theory And Schematics For Improved Guided Missile Battery Control Central, AN/TSW-11 (NSN 1430-01-042-4910) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1526-12-2-2	Operator's And Organizational Maintenance Manual Functional Theory And Schematics For Improved Guided Missile Battery Control Central, AN/TSW-11 (X0-1) (NSN 1430-00-042-4910) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1526-12-3	Operator's And Organizational Maintenance Manual: Schematics For Improved Guided Missile Battery Control Central, AN/TSW-11 (X0-1) (NSN 1430-01-042-4910) (Improved HAWK Air Defense Guided Missile System)
9-1430-1526-34-1	Direct Support And General Support Maintenance Manual For Units Of Guided Missile Battery Control Central, AN/TSW-11 (NSN 1430-01-042-4910) Tested At The High Frequency Console (Improved HAWK Air Defense Guided Missile System)
9-1430-1526-34-2	Direct Support And General Support Maintenance Manual For Improved Guided Missile Battery Control Central, AN-TSW-11 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-1528-12-1	Operator's And Organizational Maintenance Manual For Radar Set AN/MPQ-55 (X0-1) 11510700 (NSN; 1430-01-042-4907) (Improved HAWK Air Defense Guided Missile System) (U)

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9-1430-1528-12-2-1	Operator's And Organizational Maintenance Manual Functional Theory And Schematics For Improved CW Acquisition Radar Set, AN/MPQ-55 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1528-12-2-2	Operator And Organizational Maintenance Manual Functional Theory And Schematics For Improved CW Acquisition Radar Set, AN/MPQ-55 (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1528-12-3	Operator's And Organizational Maintenance Manual: Schematics For Improved CW Acquisition Radar Set, AN/MPQ-55 (X0-1) 11510700 (NSN 1430-01-042-4907) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1528-34-1	Direct Support And General Support Maintenance Manual For Units Of Radar Set AN/MPQ-55 (X0-1) Tested At The High-Frequency Console (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1528-34-2	Direct Support And General Support Maintenance Manual For Radar Set, AN/MPQ-55 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1430-1532-12-1	Operator's And Organizational Maintenance Manual For Guided Missile System Radar-Signal Simulator Station, AN/TPQ-29 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1532-12-2	Operator's And Organizational Maintenance Manual Functional Theory And Schematics For Guided Missile System Radar-Signal Simulator Station, AN/TPQ-29 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1532-12-3	Operator's And Organizational Maintenance Manual Schematics And Wiring Lists For Guided Missile System Radar Signal Simulator Station, AN/TPQ-29 (X0-1) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1532-34-1	Direct Support And General Support Maintenance Manual: Units of Guided Missile System Radar Signal Simulator Station, AN/TPQ-29 (X0-1) Tested At The High-Frequency Console (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1534-12-1	Operator's And Organizational Maintenance Manual For Radar Set AN/MPQ-50 (X0-2) 11510155 (NSN 1430-01-042-4908) (Improved HAWK Air Defense Guided Missile System)
9-1430-1534-12-2	Operator's And Organizational Maintenance Manual Functional Theory and Schematics For Radar Set, AN/MPQ-50 (X0-2) 11510155 (NSN 1430-01-042 -4908) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1534-12-3	Operator's And Organizational Maintenance Manual Schematics For Improved Pulse Acquisition Radar Sets, AN/MPQ-50 (X0-2) 11510155 (NSN 1430-01-042-4908) (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1534-34-1	Direct Support And General Support Maintenance Manual For Units Of Radar Set, AN/MPQ-50 (X0-2) Tested At The High-Frequency Console (Improved HAWK Air Defense Guided Missile System) (U)
9-1430-1534-34-2	Direct Support And General Support Maintenance Manual For Radar Set, AN/MPQ 50 (X0-2) 11510155 (NSN 1430-01-042-4908) (Improved HAWK Air Defense Guided Missile System)

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9-1430-1535-12-1	Operator's And Organizational Maintenance Manual For Information And Coordination Central, Guided Missile System, AN/MPQ-110 (US ARMY) (NSN 1430-01-042-4918) And AN/MSQ-111 (USMC) (1430-01-042-4917) Improved Platoon Command Post Guided Missile AN/MSW-13 (US Army) (1430-01-042-4915) MSW-14 (USMC), 1430-01-042-4916) (Improved HAWK Air Defense Guided Missile System)
9-1430-1535-12-2-1	Operator's And Organizational Maintenance Manual Functional Theory And Schematics For Information And Coordination Central, Guided Missile System, AN/MSQ-110 (US ARMY) (NSN 1430-01-042-4918) And AN/MSQ-111 Command Post, Guided Missile AN/MSW-13 (US ARMY) And AN/MSW-14 (USMC) (1430-01-042-4916) (Improved HAWK Air Defense Guided Missile System)
9-1430-1535-12-2-2	Operator's And Organizational Maintenance Manual Functional Theory And Schematics For Information And Coordination Central, Guided Missile System, AN/MSQ-110 (US ARMY) (NSN 1430-01-042-4918) And AN/MSQ-111 (USMC) (1430-01-042-4917) (Improved Platoon Command Post, Guided Missile, AN/MSW-13 (US Army) (1430-01-042-4915) And AN/MSW-14 (USMC) (1430-01-042-4916) (Improved HAWK Air Defense Guided Missile System)
9-1430-1535-12-2-3	Operator's And Organizational Maintenance Manual Functional Theory And Schematics For Information And Coordination Central, Guided Missile System, AN/MSQ-110 (US ARMY) (NSN 1430-01-042-4918) And AN/MSQ-111 (USMC) (1430-01-042-4917); Improved Platoon Command Post, Guided Missile, AN/MSW-13 (US ARMY) (1430-01-042-4915) And AN/MSW-14 (USMC) (1430-01-042-4916) (Improved HAWK Air Defense Guided Missile System)
9-1430-1535-12-3	Operator's And Organizational Maintenance Manual Fault Isolation And Correction For Information And Coordination Central, Guided Missile System, AN/MSQ-110 (US ARMY) (NSN 430-01-042-4918) And AN/MSQ-111 (USMC) (1420-01-042-4917); Improved Platoon Command Post, Guided Missile, AN/MSW-13 (US ARMY) (1430-01-042-4915) And AN/MSW-14 (USMC) (1430-01-042-4916) (Improved HAWK Air Defense Guided Missile System)
9-1430-1535-34-1	Direct Support and General Support Maintenance Manual For Units Of Information And Coordination Central, Guided Missile AN/MSQ-110 (US ARMY) (NSN 1430-01-042-4918) AN/MSQ-111 (USMC) (1430-01-042 -4917) And Platoon Command Post, Guided Missile, AN/MSW-13 (US ARMY) (1430-01-042-4915), AN/MSW-14 (USMC) (1430-01-042-4916) (Improved HAWK Air Defense Guided Missile System)
9-1430-1535-34-2-1	Direct Support And General Support Maintenance Manual For Information And Coordination Central, Guided Missile System, AN/MSQ-110 (US ARMY) (NSN 1430-01-042-4915) And AN/MSQ-111 (USMC) (1430-01-042-4916), Improved Platoon Command Post Guided Missile, AN/MSW-13 (US ARMY) (1430-01-042-4918) And AN/MSW-14 (USMC) (1430-01-042-4917) (Improved HAWK Air Defense Guided Missile System)

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9-1430-1535-34-2-2	Direct Support and General Support Maintenance Manual Information And Coordination Central, Guided Missile System, AN/MSQ-110 (US Army) (NSN 1430-01-042-4915) and AN/MSQ-111 (USMC) (1430-01-042-4916) Improved Platoon Command Post, Guided Missile AN/MSW-13 (US Army) (1430-01-042-4918) And AN/MSW-14 (USMC) (1430-01-042-4917) (Improved HAWK Air Defense Guided Missile System)
9-1440-531-12-1	Operator and Organizational Maintenance Manual: Improved Guided Missile Zero Length Launcher, M192E1: Guided Missile Loading and Storage Pallet M1E2 and Improved Guided Missile Launching Section Control Box, AN/GSA-132A (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1440-531-12-2	Operator's and Organizational Maintenance Manual: Functional Theory and Schematics For Improved Guided Missile Zero-Length Launcher, M192E1 and Improved Guided Missile Launching Section Control Box, AN-GSA-132 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1440-531-12-3	Operator and Organizational Maintenance Manual: Schematics for Improved Guided Missile Zero Length Launcher, M192E1 and Improved Guided Missile Launching Section Control Box, AN/GSA-132 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-1440-531-34-1	Direct Support and General Support Maintenance Manual: Units of Guided Missile Zero Length Launcher M192E1 Tested at the High Frequency Console (Improved HAWK Air Defense Guided Missile System)
9-1440-531-34-2	Direct Support and General Support Maintenance Manual: Improved Guided Missile Launcher, M192E1: Guided Missile Loading and Storage Pallet, M1E2 and Improved Guided Missile Launching Section Control Box, AN/GSA-132 (X0-1) (Improved HAWK Air Defense Missile System)
9-1450-500-10	Operator's Manual For Loader-Transporter, Guided Missile: XM501E3 (HAWK Guided Missile System) (NSN 1450-00-066-8873)
9-1450-500-20	Organizational Maintenance Manual: Loader-Transporter, Guided Missile XM501E3, Part No. 116775300 (NSN 1450-00-066-8873) (HAWK Guided Missile System)
9-1450-500-34	Direct Support and General Support Maintenance Manual For Loader-Transporter, Guided Missile: XM501E3, Pt No. 11675300 (NSN 1450-00-066-8873) (HAWK Guided Missile System)
9-4935-262-14	Operator, Organizational, Direct Support and General Support Maintenance Manual: Electrical Cable Test Set, AN/GSM-45
9-4935-540-14-1	Operator, Organizational, Direct Support and General Support Maintenance Manual: Guided Missile Remote Control System Shop Equipment AN/TSM-104 (X0-1), AN/TSM-105 (X0-1), AN/TSM-106 (X0-1), AN/TSM-108 (X0-1) And AN-TSM-121 (X0-1) and Supplementary Equipment, Guided Missile Test Station AN/TSM-120 (X0-1) (Improved HAWK Air Defense Guided Missile System)

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9-4935-540-14-2	Operator, Organizational, Direct Support And General Support Maintenance Manual: Schematics for Guided Missile Remote Control System Shop Equipment AN/TSM-104 (X0-1), AN/TSM-105 (X0-1), AN/TSM-106 (X0-1), AN/TSM-108 (X0-1) and AN/TSM-121 (X0-1) and Supplementary Equipment, Guided Missile Test Station AN/TSM-120 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-4935-540-14-3	Operator's, Organizational, Direct Support and General Support Maintenance Manual Functional Theory and Diagrams for Guided Missile Remote Control System Shop Equipment, AN/TSM-104 (X0-1), AN/TSM-105 (X0-1), AN/TSM-106 (X0-1), AN/TSM-108 (X0-1) and AN/TSM-121 (X0-1) and Supplementary Equipment, Guided Missile Test Station, AN/TSM-120 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-4935-541-14	Operator's, Organizational, Direct Support and General Support Maintenance Manual: Guided Missile System Shop Equipment AN/TSM-132 and AN/TSM-107 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-4935-542-12	Operator and Organizational Maintenance Manual: Organizational Maintenance for Guided Missile Remote Control System Shop Equipment AN/TSM-112; Guided Missile Test Equipment, OME-GSE and Shop Equipment, GSM-XM1, Improved Platoon Support Van (IPSV) (Improved HAWK Air Defense Guided Missile System)
9-4935-542-34	Direct Support and General Support Maintenance Manual: Units of Guided Missile Remote Control System Shop Equipment AN/TSM-112 Tested at the High-Frequency Console (Improved HAWK Air Defense Guided Missile System)
9-4935-543-14	Operator, Organizational, Direct Support and General Support Maintenance Manual: Guided Missile System Shop Equipment XM2, XM2E1, and XM2E2 (X0-1) (Improved HAWK Air Defense Guided Missile System)
9-4935-548-14	Operator, Organizational, Direct Support and General Support Maintenance Manual: Periodic Tests Using Calibrator and Microwave Calibrator (Improved HAWK Air Defense Guided Missile System)
9-4935-1540-14-1	Operator's, Organizational, Direct Support and General Support Maintenance Manual: Guided Missile Remote Control System, Shop Equipment AN/TSM-104 (NSN 4935-01-051-8691), AN/TSM-105 (4935-00-782-1957) AN/TSM-106 (4935-01-043-2244), AN/TSM-108 (4935-00-880-4506) and AN/TSM-121 (4935-00-169-2894) and Supplementary Equipment Guided Missile Test Station AN/TSM-120 (X0-1) (4935-00-169-0082) (Improved HAWK Air Defense Guided Missile System)
9-4935-1540-14-2	Operator's, Organizational, Direct Support and General Support Maintenance Manual Schematics for Guided Missile Remote Control System, Shop Equipment: AN/TSM-104 (X0-1) (NSN 4935-01-051-8691), AN/TSM-105 (X0-1) (4935-00-782-1957) AN/TSM-106 (X0-1) (4935-01-043-2244), AN/TSM-108 (X0-1) (4935-00-880-4506) AN/TSM-121 (X0-1) (4935 00-169-2894) and Supplementary Equipment Guided Missile Test Station, AN/TSM-120 (X0-1) (Improved HAWK Air Defense Guided Missile System)

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9-4935-1541-14	Operator's, Organizational, Direct Support and General Support Maintenance Manual: Guided Missile System Shop Equipment, AN/TSM-132 (NSN 4935-00-004-7378) and AN/TSM-107 (X0-1) (4935-01-042-4909) (Improved HAWK Air Defense Guided Missile System)
9-4935-1548-14	Operator's, Organizational, Direct Support and General Support Maintenance Manual for Periodic Tests Using Calibrator Standard, Digital Multimeter, and Calibration Test Set (Improved HAWK Air Defense Guided Missile System)
10-277	Chemical, Toxicological and Missile Fuel Handlers Protective Clothing
11-5895-532-12	Operator's and Organizational Maintenance Manual: Interrogator Sets; AN/TPX-46(V)1 (NSN 5895-00-423-1693), AN/TPX-46(V)2 (5895-00-423-1694), AN/TPX-46-(V)3 (5895-00-423-1696), AN/TPX-46(V)4 (5895-00-423-1700)
11-5895-532-34-1	Direct Support and General Support Maintenance Manual: Interrogator Sets AN/TPX-46(V)1 (NSN 5895-00-423-1693), AN/TPX-46(V)2 (5895-00-423-1694), AN/TPX-46(V)3 (5895-00-423-1696), AN/TPX-46(V)4 (5895-00-423-1700), and AN/TPX-46(V)6 (5895-00-423-1702)
11-5895-532-34-2	Direct Support and General Support Maintenance Manual: Interrogator Set AN/TPX-46(V)1 (NSN 5895-00-423-1693), AN/TPX-46(V)2 (5895-00-423-1694), AN/TPX-46(V)3 (5895-00-423-1696), AN/TPX-46(V)4 (5895-00-423-1700), and AN/TPX-46(V)6 (5895-00-423-1702) (Receiver-Transmitter Group, OR-85/TPX-46(V)) (5895-00-165-1184)
11-5895-532-34-3	Direct Support and General Support Maintenance Manual For Interrogator AN/TPX-46(V)1, 2, 3, 4, and 6 (Signal Processor CP-925/TPX-46(V) (NSN 5895-00-167-7939)
11-5895-532-34-4	Direct Support and General Support Maintenance Manual For Interrogator Sets, AN/TPX-46(V)1, (NSN 5895-00-423-1693), AN/TPX(V)2 (5895-00-423-1694), AN/TPX-46(V)3 (5895-00-423-1696), AN/TPX-46(V)4 (5895-00-423-1700), and AN/TPX-46(V)6 (5895-00-423-1702), (Synchronizer, Electrical, SN-420/TPX-46(V)) (5895-00-350-5346)
11-5895-532-34-5	Direct Support and General Support Maintenance Manual: Interrogator Set AN/TPX-46(V)1,2,3,4, and 6: Antenna Randome AS-2167/TPX-46(V) (NSN 5985-00-166-0223). AS-2740/TPX-46(V) (5985-00-166-0221): Control Antenna, (8738/TPX-46(V) (5985-00-141-3606) and Pedestal, antenna AB-1076/TPX-46 (V) (5985-00-166-0222)
38-L09-11	Functional Users Manuals for Combat Service Support System (CS3) Maintenance Reporting and Management (MRM)
38-750	The Army Maintenance Management System (TAMMS)
38-750-1	The Army Maintenance Management System (TAMMS) Field Command Procedures
750-245-4	Direct Support and General Support Quality Control: Inspector's Inspection Criteria

TECHNICAL BULLETIN (TB)

43-180	Calibration Requirement for the Maintenance of Army Materiel

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SUPPLY CATALOGS

4931-92-CL-1	Calibration Standards Set: Secondary Transfer (NSN 6695-00-621-7877) (LIN H01683) and Secondary Reference (4931-00-621-7878) (LIN HO1546)
4935-95-CL-A40	Tool Kit, Calibration Technician (4935-00-670-7123) (LIN W33963)

TRAINING EXTENSION COURSES (TEC) LESSONS

500-121-8119F	Preparing a Duty Roster
909-071-0038F	Counseling, Part I
909-071-0039F	Counseling, Part II
909-071-0044F	Military Justice, Searches and Inspections
909-071-0045-F	Punishment Under UCMJ

ARMY CORRESPONDENCE COURSE PROGRAM (ACCP) SUBCOURSES

AG 0006	Awards and Decorations
AG 0309	Personnel Qualification Record, DA Form 2 and 2-1
AG 0330	SIDPERS for the Unit Level
IS 0259	Military Justice I
IS 0260	Military Justice II
IS 0208	Command and Staff Procedures
IS 0210	Methods of Instruction (Effective Speaking)
IS 0238	Leadership Aspects of Contemporary Issue (Drug Abuse, Advanced)
IS 0271	Unit Readiness (Advanced)
IT 0100	Safeguarding of Defense Information
MM 0101	Missile Support Operations
MM 0102	Missile Maintenance Shop Operations
MM 0137	Improved HAWK Missile System
MM 0904	Contact Team Operations
MM 0920	Improved HAWK Loader
MM 0928	Improved HAWK System Test Equipment
MM 0929	Improved HAWK System Alinement
MM 0932	Improved HAWK Launcher
MM 0933	Improved HAWK Mechanical Repair
MP 0043	Confrontation Management II
OD 0834	Military Publications

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ARMY CORRESPONDENCE COURSE PROGRAM (ACCP) SUBCOURSES

OD 0908	Army Calibration
QM 0435	Management and Accounting Procedures for Direct Exchange, Maintenance Float Shop Stock and Cannibalization Point Operations

ADDITIONAL REFERENCES

Manual For Courts-Martial, United States, 1969 (Revised Edition)

*Formal Dining Handbook

*Leadership and Resource Management

GTA 5-7-9, Hasty Bridge Classification Wheel

ARTEP 29-226, TMDE Calibration and Repair Support Company

* Obtain from:

Commandant
Sergeant Major Academy
Fort Bliss, TX 79916

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APPENDIX B
JOB DESCRIPTION

CMF 23

IMPROVED HAWK MAINTENANCE CHIEF

(IH Maint Chief)

MOS 24V

Summary

Supervises direct and general support maintenance of Improved HAWK Missile System.

Duties

MOSC 24V40: Supervises and coordinates maintenance of Improved HAWK Launcher, Continuous Wave Acquisition Radar, High Powered Illuminator Radar, Battery Control Central, Information Coordination Central, Improved Platoon Command Post, Simulator Station, Pulse Acquisition Radar, Range-only Radar, Support Maintenance Test Equipment Shops, Mobile Team Shop, Ground Equipment Test Sets, Launching Section Control Box, and system-associated training equipment. Serves as a section chief or principal noncommissioned officer of a platoon performing missile system support maintenance. Supervises and inspects activities of subordinate noncommissioned officers engaged in missile system maintenance and associated supply activities. Assists in development and supervises quality assurance/quality control program.

MOSC 24V50: Performs duties shown in preceding level of skill. Serves as Maintenance Chief in unit at battalion or higher level.

Serves as First Sergeant of a company. Performs duties associated with SQI "M."

Serves as Chief Instructor in a training facility, Chief Advisor to a Reserve Component unit, or Chief Advisor to a foreign military unit.

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QUESTIONNAIRE

FM 9-24V/TG

As the user of this manual, you are a vital member of our writing team. Please provide us your opinion and suggestions by filling out this questionnaire. Be sure to include your name, AUTOVON number, and unit so we can follow up on your suggestions.

UNIT ADDRESS _____ AUTOVON _____

_____ NAME _____

DUTY POSITION _____ RANK _____

TIME IN GRADE _____ TIME IN SERVICE _____

1. Did the Introduction explain to you the purpose of the manual? ☐ Yes ☐ No

2. Did the organization of the tasks help you plan your training? ☐ Yes ☐ No

3. Are there any tasks that should be added? ☐ Yes ☐ No

4. Are there any tasks that should be deleted? ☐ Yes ☐ No

5. Did you disagree with the skill level assigned to any task? ☐ Yes ☐ No

6. Were there any problems in relating the Trainer's Guide to the Soldier's Manual? ☐ Yes ☐ No

7. Did you disagree with the training site selected for any task? ☐ Yes ☐ No

8. Did you find any errors? If so, please list. ☐ Yes ☐ No

9. Did you have any trouble understanding this manual? ☐ Yes ☐ No
   If your answer is Yes, which part(s) was unclear?

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30 NOVEMBER 1981

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Brigadier General, United States Army
The Adjutant General

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